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OM protein - protein search, using sw model

Run on: May 24, 2004, 08:18:47 ; Search time 586 Seconds

(Without alignments)
241.320 Million cell updates/sec

Title: US-09-977-261-2

Perfect score: 1 MAGGSLVSWRAFHGCDSEAE.....PASVSGDDADGSTRPQEP 507

Sequence: 1 MAGGSLVSWRAFHGCDSEAE.....PASVSGDDADGSTRPQEP 507

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1149313 seqs, 278921704 residues

Total number of hits satisfying chosen parameters: 1149313

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2671	100.0	507	9	US-09-977-269-2
2	2671	100.0	507	9	US-09-977-260-2
3	2671	100.0	507	10	US-09-977-261-2
4	2445	91.5	527	14	US-10-100-217-2
5	2422	90.7	553	14	US-10-103-380A-2
6	2012	75.3	386	14	US-10-187-900-4
7	2012	75.3	415	14	US-10-187-900-2
8	1245.5	46.6	450	9	US-09-977-269-7
9	1245.5	46.6	450	9	US-09-977-260-7
10	1245.5	46.6	450	10	US-09-977-261-7
11	1245.5	46.6	450	12	US-10-060-065-21
12	1245.5	46.6	450	14	US-10-059-585-42
13	1245.5	46.6	450	14	US-10-177-293-88
14	1245.5	46.6	450	14	US-10-298-377A-2
15	1245.5	46.6	450	15	US-10-116-275-121

16	1245.5	46.6	450	15	US-10-116-275-265	Sequence 265, App
17	1245.5	46.6	450	15	US-10-394-322A-15	Sequence 15, Appl
18	916	34.3	357	10	US-09-929-266-9	Sequence 9, Appl
19	768	28.8	258	9	US-09-840-704-3	Sequence 3, Appl
20	753	28.2	502	12	US-10-362-010-27	Sequence 27, Appl
21	745	27.9	567	12	US-09-805-020-40	Sequence 40, Appl
22	742.5	27.8	508	15	US-10-394-322A-41	Sequence 41, Appl
23	742.5	27.8	509	9	US-09-977-269-18	Sequence 18, Appl
24	742.5	27.8	509	9	US-09-977-260-18	Sequence 18, Appl
25	742.5	27.8	509	10	US-09-977-261-18	Sequence 18, Appl
26	742.5	27.8	509	14	US-10-212-346-1	Sequence 1, Appl
27	742.5	27.8	509	15	US-10-366-288-28	Sequence 28, Appl
28	733	27.4	533	12	US-10-276-633-1	Sequence 1, Appl
29	727	27.2	535	15	US-10-394-322A-56	Sequence 56, Appl
30	727	27.2	536	9	US-09-977-269-13	Sequence 13, Appl
31	727	27.2	536	9	US-09-977-260-13	Sequence 13, Appl
32	727	27.2	536	10	US-09-929-266-10	Sequence 10, Appl
33	727	27.2	526	10	US-09-977-261-13	Sequence 13, Appl
34	724.5	27.1	526	12	US-10-276-633-3	Sequence 3, Appl
35	724.5	27.1	526	15	US-10-394-322A-31	Sequence 31, Appl
36	720.5	27.0	505	9	US-09-977-269-17	Sequence 17, Appl
37	720.5	27.0	505	9	US-09-977-260-17	Sequence 17, Appl
38	720.5	27.0	505	10	US-09-977-261-17	Sequence 17, Appl
39	720.5	27.0	505	15	US-10-193-720-2	Sequence 2, Appl
40	716	26.8	505	10	US-09-976-782-84	Sequence 84, Appl
41	716	26.8	533	12	US-10-276-633-2	Sequence 2, Appl
42	710	26.6	543	9	US-09-977-269-14	Sequence 14, Appl
43	710	26.6	543	9	US-09-977-260-14	Sequence 14, Appl
44	710	26.6	543	10	US-09-977-261-14	Sequence 14, Appl
45	710	26.6	543	14	US-10-298-377A-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-09-977-269-2
Sequence 2, Application US/09977269
Patent No. US20020082037A1
GENERAL INFORMATION:
APPLICANT: ULIRICH, AXEL
APPLICANT: GISHIZKY, MIRIAM
APPLICANT: SUBES, IRMINGARD
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
FILE REFERENCE: 038602/1260
CURRENT APPLICATION NUMBER: US/09/977,269
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 08/232,545
PRIOR FILING DATE: 1994-04-22
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 507
TYPE: PRT
ORGANISM: Unknown Organism
FEATURE:
OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
OTHER INFORMATION: Kinase 1
US-09-977-269-2

Query Match 100.0%; Score 2671; DB 9; Length 507;
Best Local Similarity 100.0%; Pred. No. 5.8e-209;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGGSLVSWRAFHGCDSEAEELPRVSPFLRAMHPPVSARMPTRMAFGTCTCKERT 60
DB 1 MAGGSLVSWRAFHGCDSEAEELPRVSPFLRAMHPPVSARMPTRMAFGTCTCKERT 60
QY RPKPELAFRKDDVVTILEACENKSWYRKVHTSCQEGILAAAGALREBALADPTLSLM 120
DB RPKPELAFRKDDVVTILEACENKSWYRKVHTSCQEGILAAAGALREBALADPTLSLM 120
QY 121 PWFHGKISQGEAVQLOPPEDGLFLVREARARHPGDYVLCVSGRVDVTHRVLHRDCHLT 180

Db 121 PWFHGTSGQBAVQOQOPEDGLFLVRESARHPGDYVLCSFRDVIHRYLHRDGHLLTI 180
 QY 181 DEAVFFCNLMDMVEHYSKDKGALCTKLVRPKRKHGTSABEELARAGMLNLQHLTLGAQ 240
 Db 181 DEAVFFCNLMDMVEHYSKDKGALCTKLVRPKRKHGTSABEELARAGMLNLQHLTLGAQ 240
 QY 241 IGGEGFAGVLOGEYLGQKVAVNKICDVTAAFLDETAVNTKQOHENLVRLGLVILHOGI 300
 Db 241 IGGEGFAGVLOGEYLGQKVAVNKICDVTAAFLDETAVNTKQOHENLVRLGLVILHOGI 300
 QY 301 YIWEHYSKGNLVNPLFRTGRALVNTAQLQPSLHVABGMEYLESKKLVHRDLAARNILY 360
 Db 301 YIWEHYSKGNLVNPLFRTGRALVNTAQLQPSLHVABGMEYLESKKLVHRDLAARNILY 360
 QY 361 SEDLVAKVSDPGLAKERKGLDSSRLPVKWTAPBALKHGFTSKSDVMSFGVLLMEVFSY 420
 Db 361 SEDLVAKVSDPGLAKERKGLDSSRLPVKWTAPBALKHGFTSKSDVMSFGVLLMEVFSY 420
 QY 421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVHVLMSSCWEABPARRPPFRKLAEKLAR 480
 Db 421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVHVLMSSCWEABPARRPPFRKLAEKLAR 480
 QY 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
 Db 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 2

US-09-977-260-2
 ; Sequence 2, Application US/09977260
 ; Publication No. US20020192790A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ULRICH, AXEL
 ; APPLICANT: GISHIZKY, MIKHAIL
 ; APPLICANT: SURES, IRMINGARD
 ; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
 ; FILE REFERENCE: 038602/1260
 ; CURRENT APPLICATION NUMBER: US/09/977,260
 ; CURRENT FILING DATE: 2001-10-16
 ; PRIOR APPLICATION NUMBER: 08/232,545
 ; PRIOR FILING DATE: 1994-04-22
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 507
 ; TYPE: PRT
 ; ORGANISM: Unknown Organism
 ; FEATURE:
 ; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
 ; US-09-977-260-2

Query Match 100.0%; Score 2671; DB 9; Length 507;

Best Local Similarity 100.0%; Pred. No. 5.8e-209; Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRSLVSWRAFHGCDASAEELPRVSPRFLRAMHPVPSARMPTRNAPGTQCTTKCBHT 60
 Db 1 MAGRSLVSWRAFHGCDASAEELPRVSPRFLRAMHPVPSARMPTRNAPGTQCTTKCBHT 60
 QY 61 RPKGELAFRKGDVVTLLIACENKSWRYVHHTSGGGLAAGALRERELASADPKLSIM 120
 Db 61 RPKGELAFRKGDVVTLLIACENKSWRYVHHTSGGGLAAGALRERELASADPKLSIM 120
 QY 121 PWFHGTSGQBAVQOQOPEDGLFLVRESARHPGDYVLCSFRDVIHRYLHRDGHLLTI 180
 Db 121 PWFHGTSGQBAVQOQOPEDGLFLVRESARHPGDYVLCSFRDVIHRYLHRDGHLLTI 180
 QY 181 DEAVFFCNLMDMVEHYSKDKGALCTKLVRPKRKHGTSABEELARAGMLNLQHLTLGAQ 240
 Db 181 DEAVFFCNLMDMVEHYSKDKGALCTKLVRPKRKHGTSABEELARAGMLNLQHLTLGAQ 240

QY 241 IGGEGFAGVLOGEYLGQKVAVNKICDVTAAFLDETAVNTKQOHENLVRLGLVILHOGI 300
 Db 241 IGGEGFAGVLOGEYLGQKVAVNKICDVTAAFLDETAVNTKQOHENLVRLGLVILHOGI 300
 QY 301 YIWEHYSKGNLVNPLFRTGRALVNTAQLQPSLHVABGMEYLESKKLVHRDLAARNILY 360
 Db 301 YIWEHYSKGNLVNPLFRTGRALVNTAQLQPSLHVABGMEYLESKKLVHRDLAARNILY 360
 QY 361 SEDLVAKVSDPGLAKERKGLDSSRLPVKWTAPBALKHGFTSKSDVMSFGVLLMEVFSY 420
 Db 361 SEDLVAKVSDPGLAKERKGLDSSRLPVKWTAPBALKHGFTSKSDVMSFGVLLMEVFSY 420
 QY 421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVHVLMSSCWEABPARRPPFRKLAEKLAR 480
 Db 421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVHVLMSSCWEABPARRPPFRKLAEKLAR 480
 QY 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
 Db 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 3

US-09-977-261-2
 ; Sequence 2, Application US/09977261
 ; Publication No. US20030054527A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ULRICH, AXEL
 ; APPLICANT: GISHIZKY, MIKHAIL
 ; APPLICANT: SURES, IRMINGARD
 ; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
 ; FILE REFERENCE: 038602/1259
 ; CURRENT APPLICATION NUMBER: US/09/977,261
 ; CURRENT FILING DATE: 2001-10-16
 ; PRIOR APPLICATION NUMBER: 08/232,545
 ; PRIOR FILING DATE: 1994-04-22
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 507
 ; TYPE: PRT
 ; ORGANISM: Unknown Organism
 ; FEATURE:
 ; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
 ; US-09-977-261-2

Query Match 100.0%; Score 2671; DB 10; Length 507;

Best Local Similarity 100.0%; Pred. No. 5.8e-209; Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRSLVSWRAFHGCDASAEELPRVSPRFLRAMHPVPSARMPTRNAPGTQCTTKCBHT 60
 Db 1 MAGRSLVSWRAFHGCDASAEELPRVSPRFLRAMHPVPSARMPTRNAPGTQCTTKCBHT 60
 QY 61 RPKGELAFRKGDVVTLLIACENKSWRYVHHTSGGGLAAGALRERELASADPKLSIM 120
 Db 61 RPKGELAFRKGDVVTLLIACENKSWRYVHHTSGGGLAAGALRERELASADPKLSIM 120
 QY 121 PWFHGTSGQBAVQOQOPEDGLFLVRESARHPGDYVLCSFRDVIHRYLHRDGHLLTI 180
 Db 121 PWFHGTSGQBAVQOQOPEDGLFLVRESARHPGDYVLCSFRDVIHRYLHRDGHLLTI 180
 QY 181 DEAVFFCNLMDMVEHYSKDKGALCTKLVRPKRKHGTSABEELARAGMLNLQHLTLGAQ 240
 Db 181 DEAVFFCNLMDMVEHYSKDKGALCTKLVRPKRKHGTSABEELARAGMLNLQHLTLGAQ 240
 QY 241 IGGEGFAGVLOGEYLGQKVAVNKICDVTAAFLDETAVNTKQOHENLVRLGLVILHOGI 300
 Db 241 IGGEGFAGVLOGEYLGQKVAVNKICDVTAAFLDETAVNTKQOHENLVRLGLVILHOGI 300
 QY 301 YIWEHYSKGNLVNPLFRTGRALVNTAQLQPSLHVABGMEYLESKKLVHRDLAARNILY 360
 Db 301 YIWEHYSKGNLVNPLFRTGRALVNTAQLQPSLHVABGMEYLESKKLVHRDLAARNILY 360

QY 361 SEDIVAKVSDPGLAKAEKRGDSSRLPYKMTAPALKHGKFTSKSDVMSFGVILMEVFSY 420
DB 361 SEDIVAKVSDPGLAKAEKRGDSSRLPYKMTAPALKHGKFTSKSDVMSFGVILMEVFSY 420
QY 421 GRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEPPARRPPRKLAEKLAR 480
DB 421 GRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEPPARRPPRKLAEKLAR 480
QY 481 ELRSAGAPASVSGODADOSTSPRSQEP 507
DB 481 ELRSAGAPASVSGODADOSTSPRSQEP 507

RESULT 4

US-10-100-217-2
; Sequence 2, Application US/10100217
; Publication No. US20030181404A1
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Grozman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; FILE REFERENCE: NEDH97-01PAZ
; CURRENT FILING DATE: US/10/100,217
; PRIOR APPLICATION NUMBER: 2002-03-14
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 08/876,882
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/035,228
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-01-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-100-217-2

Query Match 91.5%; Score 2445; DB 14; Length 527;

Best Local Similarity 93.5%; Pred. No. 1,6e-190;

Matches 472; Conservative 1; Mismatches 18; Indels 14; Gaps 2;

QY 1 MAGRSLVSWRAFHGCDSEELPRVSPRFLRAMHPPVSAKMPTRMAFGTQCTTCKEHT 60
DB 1 MAGRSLVSWRAFHGCDSEELPRVSPRFLRAMHPPVSAKMPTRMAFGTQCTTCKEHT 60
QY 61 RPKPGLAFRKGDVVTTLIACENKSMYRVKHTSGQGLAAGALREBRALSADPKSLM 120
DB 61 RPKPGLAFRKGDVVTTLIACENKSMYRVKHTSGQGLAAGALREBRALSADPKSLM 120
QY 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
DB 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
QY 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
DB 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
QY 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
DB 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
QY 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
DB 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
QY 241 IGEFGFAGVLOGEYLGOKYAVNKKCDVTAQAFDELAVMTMOHENVRLGLVILHOGQL 300
DB 241 IGEFGFAGVLOGEYLGOKYAVNKKCDVTAQAFDELAVMTMOHENVRLGLVILHOGQL 300
QY 301 YIVMHEVSKGNLVNPLRTGRALVNTAQLQPSLHVABGMEYLESKCLVHRDLARNILY 360
DB 301 YIVMHEVSKGNLVNPLRTGRALVNTAQLQPSLHVABGMEYLESKCLVHRDLARNILY 360
QY 361 SEDIVAKVSDPGLAKAEKRGDSSRLPYKMTAPALKHGKFTSKSDVMSFGVILMEVFSY 420
DB 361 SEDIVAKVSDPGLAKAEKRGDSSRLPYKMTAPALKHGKFTSKSDVMSFGVILMEVFSY 420
QY 421 GRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEPPARRPPRKLAEKLAR 480
DB 421 GRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEPPARRPPRKLAEKLAR 480

DB 420 GRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEPPAGHD----- 469
QY 481 ELRSAGAPASVSGODADOSTSPRSQ 505
DB 470 ---SAMPKSWPDSYAVQVPPPSQ 491

RESULT 5

US-10-103-380A-2
; Sequence 2, Application US/10103380A
; Publication No. US20030186242A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Ken-Shwo
; TITLE OF INVENTION: HUMAN MEKARYOCYTE-ASSOCIATED TYROSINE KINASE (MATE)-RELATED GE
; FILE REFERENCE: U 013931-2
; CURRENT FILING DATE: US/10/103,380A
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-103-380A-2

Query Match 90.7%; Score 2422; DB 14; Length 553;

Best Local Similarity 88.9%; Pred. No. 1,3e-188;

Matches 472; Conservative 1; Mismatches 18; Indels 40; Gaps 3;

QY 1 MAGRSLVSWRAFHGCDSEELPRVSPRFLRAMHPPVSAKMPTRMAFGTQCTTCKEHT 60
DB 1 MAGRSLVSWRAFHGCDSEELPRVSPRFLRAMHPPVSAKMPTRMAFGTQCTTCKEHT 60
QY 61 RPKPGLAFRKGDVVTTLIACENKSMYRVKHTSGQGLAAGALREBRALSADPKSLM 120
DB 61 RPKPGLAFRKGDVVTTLIACENKSMYRVKHTSGQGLAAGALREBRALSADPKSLM 120
QY 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
DB 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
QY 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
DB 121 PMFHGKISGQEAVOQLPPEDGLFLVRESAHPGDVYLCVSGRVDIHYRVLAHRDGLTI 180
QY 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
DB 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
QY 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
DB 181 DEAVFNCNLMQVHVSXKDKGALCTKLVRPKKHGKTSKEBELARAGMLNLQHTLTLGAQ 240
QY 241 IGEFGFAGVLOGEYLGOKYAVNKKCDVTAQAFDELAVMTMOHENVRLGLVILHOGQL 300
DB 241 IGEFGFAGVLOGEYLGOKYAVNKKCDVTAQAFDELAVMTMOHENVRLGLVILHOGQL 300
QY 275 DETAVMTMOHENVRLGLVILHOGQLYVMEHVSXKGNLVNPLRTGRALVNTAQLQPSL 360
DB 275 DETAVMTMOHENVRLGLVILHOGQLYVMEHVSXKGNLVNPLRTGRALVNTAQLQPSL 360
QY 301 YIVMHEVSKGNLVNPLRTGRALVNTAQLQPSLHVABGMEYLESKCLVHRDLARNILY 360
DB 301 YIVMHEVSKGNLVNPLRTGRALVNTAQLQPSLHVABGMEYLESKCLVHRDLARNILY 360
QY 361 HVAABGMEYLESKCLVHRDLARNILYSEDLVAKVSDPGLAKAEKRGDSSRLPYKMTAP 420
DB 361 HVAABGMEYLESKCLVHRDLARNILYSEDLVAKVSDPGLAKAEKRGDSSRLPYKMTAP 420
QY 395 ALKHGKFTSKSDVMSFGVILMEVFSYGRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVH 454
DB 395 ALKHGKFTSKSDVMSFGVILMEVFSYGRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVH 454
QY 421 ALKHGKFTSKSDVMSFGVILMEVFSYGRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVH 479
DB 421 ALKHGKFTSKSDVMSFGVILMEVFSYGRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVH 479
QY 455 VLMSSCWEAEPPARRPPRKLAEKLARLSAGAPASVSGODADOSTSPRSQ 505
DB 455 VLMSSCWEAEPPARRPPRKLAEKLARLSAGAPASVSGODADOSTSPRSQ 505
QY 480 VLMSSCWEAEPPAGHD-----SAMPKSWPDSYAVQVPPPSQ 517
DB 480 VLMSSCWEAEPPAGHD-----SAMPKSWPDSYAVQVPPPSQ 517

RESULT 6

US-10-187-900-4
; Sequence 4, Application US/10187900
; Publication No. US20030106221A1
; GENERAL INFORMATION:

APPLICANT: BEASLEY, Ellen M. et al
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 TITLE OF INVENTION: THEREOF
 FILE REFERENCE: CL001061
 CURRENT APPLICATION NUMBER: US/10/187,900
 CURRENT FILING DATE: 2002-07-03
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 4
 LENGTH: 386
 TYPE: PRT
 ORGANISM: Human
 US-10-187-900-4

Query Match 75.3%; Score 2012; DB 14; Length 386;
 Best Local Similarity 100.0%; Pred. No. 2e-155;
 Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WPHGKISQGEAVVQOLPPEDGFLVRESARHPGDVYLCVSPGSDVTHYRVLHRDGHLLTD 181
 DB 1 WPHGKISQGEAVVQOLPPEDGFLVRESARHPGDVYLCVSPGSDVTHYRVLHRDGHLLTD 60
 QY 182 EAVFPCNLMVMEHYSKDKGAICTKLVPRPKHGTSAEBELARAGMLNLOHLLTGAQI 241
 DB 61 EAVFPCNLMVMEHYSKDKGAICTKLVPRPKHGTSAEBELARAGMLNLOHLLTGAQI 120
 QY 242 GEGEFGAVLQGEYLGQKAVANKIKCDVTAQAFIDETAVMTQMHENLVRLGVILHOGY 301
 DB 121 GEGEFGAVLQGEYLGQKAVANKIKCDVTAQAFIDETAVMTQMHENLVRLGVILHOGY 180
 QY 302 IYMEHVSIGNLVNPLRTGRALVNTAQLQFSLHVAEGMEYLSKKLVHRDLAARNILVS 361
 DB 181 IYMEHVSIGNLVNPLRTGRALVNTAQLQFSLHVAEGMEYLSKKLVHRDLAARNILVS 240
 QY 362 EDLVAKVSDFGIAKAEKRGDSSRLPYKWTAPALAKHGTSTKSDVMSFGVLLMEVFSYG 421
 DB 241 EDLVAKVSDFGIAKAEKRGDSSRLPYKWTAPALAKHGTSTKSDVMSFGVLLMEVFSYG 300
 QY 422 RPYPKMSLKEVSEAVEKGYRMEPPGCGPVPVHVMSSCWEABAPARRPPFKLAELARE 481
 DB 301 RPYPKMSLKEVSEAVEKGYRMEPPGCGPVPVHVMSSCWEABAPARRPPFKLAELARE 360
 QY 482 IRSAGAPASVSGQDADGSTSPRSQEP 507
 DB 361 IRSAGAPASVSGQDADGSTSPRSQEP 386

RESULT 7
 US-10-187-900-2
 Sequence 2, Application US/10187900
 Publication No. US20030166221A1
 GENERAL INFORMATION:
 APPLICANT: BEASLEY, Ellen M. et al
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 TITLE OF INVENTION: THEREOF
 FILE REFERENCE: CL001061
 CURRENT APPLICATION NUMBER: US/10/187,900
 CURRENT FILING DATE: 2002-07-03
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 415
 TYPE: PRT
 ORGANISM: Human
 US-10-187-900-2

Query Match 75.3%; Score 2012; DB 14; Length 415;
 Best Local Similarity 100.0%; Pred. No. 2.2e-155;
 Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WPHGKISQGEAVVQOLPPEDGFLVRESARHPGDVYLCVSPGSDVTHYRVLHRDGHLLTD 181

DB 30 WPHGKISQGEAVVQOLPPEDGFLVRESARHPGDVYLCVSPGSDVTHYRVLHRDGHLLTD 89
 QY 182 EAVFPCNLMVMEHYSKDKGAICTKLVPRPKHGTSAEBELARAGMLNLOHLLTGAQI 241
 DB 90 EAVFPCNLMVMEHYSKDKGAICTKLVPRPKHGTSAEBELARAGMLNLOHLLTGAQI 149
 QY 242 GEGEFGAVLQGEYLGQKAVANKIKCDVTAQAFIDETAVMTQMHENLVRLGVILHOGY 301
 DB 150 GEGEFGAVLQGEYLGQKAVANKIKCDVTAQAFIDETAVMTQMHENLVRLGVILHOGY 209
 QY 302 IYMEHVSIGNLVNPLRTGRALVNTAQLQFSLHVAEGMEYLSKKLVHRDLAARNILVS 361
 DB 210 IYMEHVSIGNLVNPLRTGRALVNTAQLQFSLHVAEGMEYLSKKLVHRDLAARNILVS 269
 QY 362 EDLVAKVSDFGIAKAEKRGDSSRLPYKWTAPALAKHGTSTKSDVMSFGVLLMEVFSYG 421
 DB 270 EDLVAKVSDFGIAKAEKRGDSSRLPYKWTAPALAKHGTSTKSDVMSFGVLLMEVFSYG 329
 QY 422 RPYPKMSLKEVSEAVEKGYRMEPPGCGPVPVHVMSSCWEABAPARRPPFKLAELARE 481
 DB 330 RPYPKMSLKEVSEAVEKGYRMEPPGCGPVPVHVMSSCWEABAPARRPPFKLAELARE 389
 QY 482 IRSAGAPASVSGQDADGSTSPRSQEP 507
 DB 390 IRSAGAPASVSGQDADGSTSPRSQEP 415

RESULT 8
 US-09-977-269-7
 Sequence 7, Application US/09977269
 Patent No. US20020082037A1
 GENERAL INFORMATION:
 APPLICANT: ULLRICH, AXEL
 APPLICANT: GISHIZKY, MIKHAEL
 APPLICANT: SURES, IRMINGARD
 TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
 FILE REFERENCE: 038602/1260
 CURRENT APPLICATION NUMBER: US/09/977,269
 CURRENT FILING DATE: 2001-10-16
 PRIOR APPLICATION NUMBER: 08/232,545
 PRIOR FILING DATE: 1994-04-22
 NUMBER OF SEQ ID NOS: 24
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 7
 LENGTH: 450
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-977-269-7

Query Match 46.6%; Score 1245.5; DB 9; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.8e-93;
 Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCCTKCHETRPQBELAPRKGDVYTLIACENKSMYVVKHHTSGOGLLAAGLR 106
 DB 8 WPGTECIKRYNFGTAQDLPFCQKDVLTVAVTKDPWYAKKNVY-GRSGITIPANYVQ 66
 QY 107 EREALGADPKLSIMPWFHGIQGEAVVQOLPPEDGFLVRESARHPGDVYLCVSPGSDV 166
 DB 67 KRGVAGKRLSLIMPWFHGIQGEAVVQOLPPEDGFLVRESARHPGDVYLCVSPGSDV 126
 QY 167 IYRVLHRDGHLLTIDEAVFPCNLMVMEHYSKDKGAICTKLVPRPKHGTSAEBELARE 226
 DB 127 EHYRIMYHASKLSIDDEVYFENLMQVLEYHTSDADGICTRLIPKWEQVTAQDDEYRS 186
 QY 227 GMLNLOHLLTGAQIIEGEGFVAVLQGEYLGQKAVANKIKCDVTAQAFIDETAVMTQMHE 286
 DB 187 GMLNLOHLLTGAQIIEGEGFVAVLQGEYLGQKAVANKIKCDVTAQAFIDETAVMTQMHE 246
 QY 287 NIVRLGVILHOGY-GLYIYMEHVSIGNLVNPLRTGRALVNTAQLQFSLHVAEGMEYLE 344
 DB 247 NIVRLGVILHOGY-GLYIYMEHVSIGNLVNPLRTGRALVNTAQLQFSLHVAEGMEYLE 306

[illegible]

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RESULT 9
US-09-977-260-7
; Sequence 7, Application US/09977260
; Publication No. US20020192790A1
; GENERAL INFORMATION:
; APPLICANT: ULMRICH, AXEL
; APPLICANT: GISHITZKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977, 260
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232, 545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-260-7

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Query Match	46.6%	Score 1245.5	DB 9	Length 450
Best Local Similarity	54.1%	Pred. No. 6.8e-93		
Matches 235	Conservative 81	Mismatches 115	Indels 3	Gaps 2

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0Y 47 NABPGQCLTICHTBPKPEBLAFRGKDVYTLLEACENKSNYVXKHTISQOEELLAGALR 106
0Y 1 JABGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJGJG 107
0Y 8 WBSGTECIAXNFHGAQBODLPFCKGDVLTITVAATKDPWMYKANKKV-GREGIIPANYQ 66
0Y 107 EREALSADBKSLMFWFHGKISGOEAVOOLQPPBGLFLVRSANHPGUYLCVSGFDY 166
0Y 67 KREGVAGKTLSIMFWFHGKILTRBOERLLPYPEPGLFLVRESTYPPGYTLCSVCDGRV 126
0Y 167 IHYRVLHGDGHLTIDEAVFCNLMOMVEHSYDKDCAICPKLVRPKKHOTKSAEELARA 226
0Y 127 EHYRIMYHAAKSLSIDEVYFEWLMQVEHYTSDADGLCTRLLKPKMESTYAAQOEFPYRS 186
0Y 227 GWLLNLQHLTLGAOJGEGEFGAVLOGEYIGQRYAVENIKCDVTAQAFIDEIYAVMTKQHE 286
0Y 187 GWALNKKELKLLQTLTGKGEFGDVMGIDYGNKVAVYCIINDPATAQAFILAEASVMTQLRHS 246
0Y 287 NIVRLGLVTLHQ-GIYIMEHVSKGNLVNPLRTGRALVMTAQLQESLHAAGMEVYE 344
0Y 247 NIVQLLGVYVEERGGIYIVTEYNAKSLVDYLRSGRSVYLGDCCLIKESLDVCEANEHYE 306
0Y 345 SKKLVIHRDLAANNIVSBDLVAKVSPDFGLAKAKERKLDLSRPLPVKMTAEALKHGFTSK 404
0Y 307 GNNFVHRDLAANNVIVSEDNVAKVSPDFGLTKKASSYQDGKLPVKMTAEALREKKFSRK 366
0Y 405 SDVMSFGVLLMEVFSYGRAPYPKMSIKEXSSEAVEKGYRMEPPBGCSPYHVTLMSCEWEAE 464
0Y 367 SDVMSFGIILMEIYFSGRVYPRPLPKDVVPREKGYKMDADPGCPAYVEYVKNNCMHDD 426
0Y 465 PARPPRFKLAETL 478
0Y 427 AANRBSFLOIRBOL 440

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RESULT 10
US-09-977-261-7
; Sequence 7, Application US/09977261
; Publication No. US20030054527A1
; GENERAL INFORMATION:
; APPLICANT: ULTRICH, AXEL
; APPLICANT: GISHICKY, MIKHAIL
; APPLICANT: SUDES, IRVINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1259
; CURRENT APPLICATION NUMBER: US/09/977,261
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 06/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-261-7

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Query Match	Similarity	46.6%	Score 1245.5	DB 10	Length 450
Best Local	Similarity	54.1%	Pred. No. 6.8e-93		
Matches	Conservative	81	Mismatches 115	Indels 3	Gaps 2
QY	47	WAPGTQCTTCKEHRPRKGEGLAFPKKDVYVTLLEACENKSWRVYGHNTSGOGGLAAGLR	106		
DB	8	WPSGTECIACKNPFHGTAERQDLPFCCKGDVLTIVATKDPNMWYKAKNKV-GRGGILTPANYQ	66		
QY	107	EREALADPKLSTLMPWFHGKISGQBAVQOLQPPEDGFLTVESARHPGDYVLVYSGFDV	166		
DB	67	KREGYKATKILSLMPWFHGKITRGGABRLVPPETGFLVVESTNYPGDYLTLCVSCDCKV	126		
QY	167	IHYRVLRDHGILTIDEANVFECNLMDMWHYSKDKGALCTKLVPRPKRGTGSAEEELARA	226		
DB	127	EHYRIMYASKLSDIEEYVFENLMQVLHYHYSDDGCTRLIKPKPWEGLVAAQDEFRS	186		
QY	227	GWLNLQHLTGAQIGEGFCAVLQGEYLQGRKVAVKINIKCSVTAQAFLDETAVMTKMOE	286		
DB	187	GWALNMKELKLLQTIKGKPEGDVHMGDRGNKVKANKCICKNDAIATAFLAASVMTQLRHS	246		
QY	287	NIIVRLSLVILHQ-GLYTVMEHVSKGNLVNELTRTGRALVNTAQLLOSLIYABEMEYIE	344		
DB	247	NIIVQLLGYIVBEKGGLYIVTEYMAKGSIVDYLRSGRSLVGDCLLKLKSLDVCAMEEYIE	306		
QY	345	SKUCLVHRILTAARNITLVESDVLAKVSDPGLAAERKGLDSRLPVEMTAPEALKHGKFTSX	404		
DB	307	GNNFVHRDLAARNVTVLSEDNVAKYSPDGLITLGAASDTQDTGLPVMTIPEALREKFFSTX	366		
QY	405	SDVMSFGVLLMEVFSYGRAPYPKMSLKEVSEANVEKGYMBEPGEGCPGVHILMSCMRELE	464		
DB	367	SDVMSFGVLLMEVFSYGRAPYPRIKLVPRVVERGYMDADGCPPAYEVEMKCMHLD	426		
QY	465	PARPPEPRGLAEKL 478			
DB	427	AAHRSFLOLRQQL 440			

RESULT 11
US-10-060-065-21
; Sequence 21, USAccession US/1006065
; Publication No. U520039017460A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isegai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu

APPLICANT: Keiichi Nagai
APPLICANT: Tetsuji Otsuki
APPLICANT: Shin-ichi Funahashi
APPLICANT: Chiaki Senoo
APPLICANT: Jun-ichi Nezu
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
FILE REFERENCE: 06501-099002
CURRENT FILING DATE: 2002-01-29
CURRENT FILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: PCT/JP00/05061
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/159,590
PRIOR FILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: US 60/183,322
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: JP 11-248036
PRIOR FILING DATE: 1999-07-29
PRIOR APPLICATION NUMBER: JP 2000-118776
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: JP 2000-183767
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: JP 2000-241899
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 21
LENGTH: 450
TYPE: PRT
ORGANISM: Homo sapiens
US-10-060-065-21

Query Match 46.6%; Score 1245.5; DB 12; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCITKCEHTRPKRGELAFKRGDVVTLEACENKSWRVKHTSGOGLIAGALR 106
DB 8 WPSGTETCIAXNFHGTAEQDLPCCKGVDLTIIVATKOPMYKAKNKV-GREGIIPANYVQ 66
QY 107 EREALSADPKLSIMPWFHKGITSGOAVOQLQPPEDGFLVRESARHPEDVYLQVSPGRDV 166
DB 67 KREGVAKGTLSLMPWFHKGITSGOAVOQLQPPEDGFLVRESARHPEDVYLQVSPGRDV 126
QY 167 IHYRVLHRDGLTIDEAVFPCNLMQVHEYSKDKGALCTKLVPRKRGHTKSAEELARA 226
DB 127 EHYRIMHASKLSTIDEVYFENLMQVHEYTSADGCTRLIKPKWEGTVAAQDEFRYS 186
QY 227 GWLNLQHLTLGAQIGEGEFGAVLQGEYLGOKVAVNKKICDVTAAQAFIDETA VNTKMOHE 286
DB 187 GWALNMKELKLTQITGKGEFGDVMGIDYRGNKVAVKCIKNDATAQAFIASEASVMTOLRHS 246
QY 287 NLVRLAGVLIHQ--GLYIVMEHVSXGNLVNFLRTRGRALVNTAQLLOFSLHVAEGMEYLE 344
DB 247 NLVQLLGVIVBEKGLYIVTEYMAKGLVDYLSRGSVLDGDCILKFSLDVCEAMEYLE 306
QY 345 SKKLVRDLAARNILVSEDLVAVKSDFGIAAERKGLDSRLPYKWTAPALAKHGFSTK 404
DB 307 GNNFVHRDLAARNVLVSEDLVAVKSDFGITKEASSQTDTGKLPYKWTAPALAKHGFSTK 366
QY 405 SDVMSFGVLLMEVFSYGAAPYPKMSLKEVSEAVKGYMREPPGCGPGVYHVLMSCEAE 464
DB 367 SDVMSFGVLLMEVFSYGAAPYPKMSLKEVSEAVKGYMREPPGCGPGVYHVLMSCEAE 426
QY 465 PARPPFRKLAEKL 478
DB 427 AAMRSTQLAREQL 440

RESULT 12
US-10-059-585-42
Sequence 42, Application US/10053585
Publication No. US20030082776A1
GENERAL INFORMATION:

APPLICANT: Ota, Toshio
APPLICANT: Isogai, Takao
APPLICANT: Nishikawa, Tetsuo
APPLICANT: Hayashi, Koji
APPLICANT: Otsuka, Kaoru
APPLICANT: Yamamoto, Jun-ichi
APPLICANT: Iehli, Shizuko
APPLICANT: Sugiyama, Tomoyasu
APPLICANT: Wakamatsu, Ai
APPLICANT: Nagai, Keiichi
APPLICANT: Otsuki, Tetsuji
APPLICANT: Funahashi, Shin-ichi
APPLICANT: Senoo, Chiaki
APPLICANT: Nezu, Jun-ichi
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
FILE REFERENCE: 06501-098001
CURRENT FILING DATE: 2002-01-29
CURRENT FILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: PCT/JP00/05060
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/183,322
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: US 60/159,590
PRIOR FILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: JP 2000-118776
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: JP 2000-183767
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: JP 11-248036
NUMBER OF SEQ ID NOS: 64
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 42
LENGTH: 450
TYPE: PRT
ORGANISM: Homo sapiens
US-10-059-585-42

Query Match 46.6%; Score 1245.5; DB 14; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCITKCEHTRPKRGELAFKRGDVVTLEACENKSWRVKHTSGOGLIAGALR 106
DB 8 WPSGTETCIAXNFHGTAEQDLPCCKGVDLTIIVATKOPMYKAKNKV-GREGIIPANYVQ 66
QY 107 EREALSADPKLSIMPWFHKGITSGOAVOQLQPPEDGFLVRESARHPEDVYLQVSPGRDV 166
DB 67 KREGVAKGTLSLMPWFHKGITSGOAVOQLQPPEDGFLVRESARHPEDVYLQVSPGRDV 126
QY 167 IHYRVLHRDGLTIDEAVFPCNLMQVHEYSKDKGALCTKLVPRKRGHTKSAEELARA 226
DB 127 EHYRIMHASKLSTIDEVYFENLMQVHEYTSADGCTRLIKPKWEGTVAAQDEFRYS 186
QY 227 GWLNLQHLTLGAQIGEGEFGAVLQGEYLGOKVAVNKKICDVTAAQAFIDETA VNTKMOHE 286
DB 187 GWALNMKELKLTQITGKGEFGDVMGIDYRGNKVAVKCIKNDATAQAFIASEASVMTOLRHS 246
QY 287 NLVRLAGVLIHQ--GLYIVMEHVSXGNLVNFLRTRGRALVNTAQLLOFSLHVAEGMEYLE 344
DB 247 NLVQLLGVIVBEKGLYIVTEYMAKGLVDYLSRGSVLDGDCILKFSLDVCEAMEYLE 306
QY 345 SKKLVRDLAARNILVSEDLVAVKSDFGIAAERKGLDSRLPYKWTAPALAKHGFSTK 404
DB 307 GNNFVHRDLAARNVLVSEDLVAVKSDFGITKEASSQTDTGKLPYKWTAPALAKHGFSTK 366
QY 405 SDVMSFGVLLMEVFSYGAAPYPKMSLKEVSEAVKGYMREPPGCGPGVYHVLMSCEAE 464
DB 367 SDVMSFGVLLMEVFSYGAAPYPKMSLKEVSEAVKGYMREPPGCGPGVYHVLMSCEAE 426
QY 465 PARPPFRKLAEKL 478
DB 427 AAMRSTQLAREQL 440

Job time : 587 secs

Db 307 GNNFVHRDLAARNVLVSEDNVAKVDFGLTKEASTQDTGKLPVKWTAPALREKKESTK 366
 QY 405 SDVWSFGVLLMEVFSYGRAPYPMKSLKEVSEAVEKGYRMPPEGCGPVPVHLMSSCWEAB 464
 Db 367 SDVWSFGVLLMEVFSYGRVYPRIPLKDVPRVEKGYKMDAPDGPVAYEVVMKNCWHL 426
 QY 465 PARPPFRKLAEK 478
 Db 427 AAMRPSFLQIREOL 440

RESULT 15
 US-10-116-275-121
 ; Sequence 121, Application US/10116275
 ; Publication No. US20030211476A1

; GENERAL INFORMATION:
 ; APPLICANT: Elian Pharmaceutical Technology
 ; APPLICANT: O'Mahony, Daniel J.
 ; APPLICANT: Brayden, David
 ; APPLICANT: Byrne, Daragh
 ; APPLICANT: Lambkin, Imelda
 ; APPLICANT: Higgins, Lisa
 ; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
 ; TITLE OF INVENTION: Compositions Targeting Peyer's Patches and M Cell Receptors
 ; FILE REFERENCE: E1067/20087
 ; CURRENT APPLICATION NUMBER: US/10/116,275
 ; CURRENT FILING DATE: 2002-10-04
 ; NUMBER OF SEQ ID NOS: 349
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 121
 ; LENGTH: 450
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-116-275-121

Query Match 46.6%; Score 1245.5; DB 15; Length 450;
 Best local similarity 54.1%; Pred. No. 6.8e-93;
 Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTGCTTCCEHTRPKRGLAPRKGDPVITLLBACENKSMRYVKGHTSGGGLAAGALR 106
 Db 8 WPSGTGCTIAKNTFHTGBODPFCGSDVLLIIVATTDPNMYKAKNKY-GRGGIIPANYVQ 66
 QY 107 EREALSADPYLSLMPWFHKGISGQEAVALQPEPDGLFLVRESARHPGDYVLCVSPGRDV 166
 Db 67 KREGVAKGTLSLMPWFHKGITREQAERLLYPETGLFLVRESINYPGDYTLCVSCDGKV 126
 QY 167 IHRVLRDGHLLTIDEAVFQNLMDVFNHSDKGAICTLVKPKRKHGTSABEELARA 226
 Db 127 EHRVIMVHASKLSIDEVEYFENMLQVHEHTSDADGCTRLIKRKWEGTVAAODEFYRS 186
 QY 227 GMLLNLOHLLTGAQIGEGFQAVLQGEVLTGQKAVAKNIKCDVTAQAFIDETAVTKMQHE 286
 Db 187 GMLNNMELKLLQITIGEGFGDVLGDYRGKNAVKICIKDATRQAFILASVYTIQRHS 246
 QY 287 NLVYLLGVILHQ--GLYIVMEHVSQNLVNFILTRGRALVNTAQLIQLSLVAEGMEYLE 344
 Db 247 NLVOLLGVIVBEKGLYIVTEYMAKSLVDYLRSRGRSVLGGDILKFSIDVCEAMEYLE 306
 QY 345 SKLVHHDLLAARNLTVSEDLVAKVSDGLAKAKERKGLDSSRLPYKWTAPALREKKESTK 404
 Db 307 GNNFVHRDLAARNVLVSEDNVAKVDFGLTKEASTQDTGKLPVKWTAPALREKKESTK 366
 QY 405 SDVWSFGVLLMEVFSYGRAPYPMKSLKEVSEAVEKGYRMPPEGCGPVPVHLMSSCWEAB 464
 Db 367 SDVWSFGVLLMEVFSYGRVYPRIPLKDVPRVEKGYKMDAPDGPVAYEVVMKNCWHL 426
 QY 465 PARPPFRKLAEK 478
 Db 427 AAMRPSFLQIREOL 440

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OM protein - protein search, using sw model

Run on: May 24, 2004, 08:18:42 ; Search time 22 Seconds
(without alignments)

1189,744 Million cell updates/sec

Title: US-09-977-261-2

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Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2671	100.0	507	4	US-08-426-509A-2
2	2671	100.0	507	4	US-08-232-545-2
3	2671	100.0	507	5	PCT-US95-05008-2
4	2664	99.7	507	2	US-08-604-989A-5
5	2445	91.5	527	4	US-09-315-928-2
6	2444	91.5	466	2	US-08-604-989A-4
7	2434	91.1	528	2	US-08-876-882-2
8	2012	75.3	386	4	US-09-741-154-4
9	2012	75.3	415	4	US-09-741-154-2
10	1269	47.5	246	2	US-08-604-989A-3
11	1245	46.6	450	4	US-08-426-509A-7
12	1245	46.6	450	4	US-08-232-545-7
13	1245	46.6	450	4	US-09-470-881-5
14	1245	46.6	450	5	PCT-US95-05008-7
15	797	29.8	269	2	US-08-701-191A-35
16	797	29.8	269	4	US-09-664-526-35
17	768	28.8	258	3	US-09-035-706-3
18	768	28.8	258	3	US-08-955-841-3
19	768	28.8	258	4	US-09-390-425-3
20	768	28.8	258	4	US-09-566-906-3
21	742.5	27.8	508	4	US-09-862-154-1
22	742.5	27.8	509	3	US-09-039-555B-17
23	742.5	27.8	509	4	US-08-426-509A-18
24	742.5	27.8	509	4	US-09-457-040B-8
25	742.5	27.8	509	4	US-08-232-545-18
26	742.5	27.8	509	5	PCT-US95-05008-18
27	733	27.4	533	4	US-09-470-881-3

28	732	27.4	533	1	US-07-820-011A-2	Sequence 2, Appli
29	732	27.4	533	5	PCT-US93-00445-2	Sequence 2, Appli
30	727	27.2	536	1	US-07-820-011A-4	Sequence 4, Appli
31	727	27.2	536	4	US-08-426-509A-13	Sequence 13, Appli
32	727	27.2	536	4	US-08-232-545-13	Sequence 13, Appli
33	727	27.2	536	5	PCT-US93-00445-4	Sequence 4, Appli
34	727	27.2	536	5	PCT-US95-05008-13	Sequence 13, Appli
35	720.5	27.0	505	4	US-08-426-509A-17	Sequence 17, Appli
36	720.5	27.0	505	4	US-08-232-545-17	Sequence 17, Appli
37	720.5	27.0	505	5	PCT-US95-05008-17	Sequence 17, Appli
38	710	26.6	543	4	US-08-426-509A-14	Sequence 14, Appli
39	710	26.6	543	4	US-08-232-545-14	Sequence 14, Appli
40	710	26.6	543	4	US-09-470-881-8	Sequence 8, Appli
41	710	26.6	543	5	PCT-US95-05008-14	Sequence 14, Appli
42	707	26.5	512	4	US-08-426-509A-16	Sequence 16, Appli
43	707	26.5	512	4	US-08-232-545-16	Sequence 16, Appli
44	707	26.5	512	5	PCT-US95-05008-16	Sequence 16, Appli
45	699.5	26.2	536	4	US-08-426-509A-12	Sequence 12, Appli

ALIGNMENTS

RESULT 1
US-08-426-509A-2
Sequence 2, Application US/08426509A
Patent No. 6326469
GENERAL INFORMATION:
APPLICANT: Ulrich, Axel
APPLICANT: Gishizky, Mikhail
APPLICANT: Sures, Irman G.
TITLE OF INVENTION: NOVEL MEGANARYOCYTIC PROTEIN
TITLE OF INVENTION: TYROSINE KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York,
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 507 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: unknown
US-08-426-509A-2
Query Match 100.0%; Score 2671; DB 4; Length 507;
Best Local Similarity 100.0%; Pred. No. 3.1e-219;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGGSLVSWRAFHGCDASBELPRVSPRLAMHPPVSAAMPTRWAPGTQCTTCEHT 60
Db 1 MAGGSLVSWRAFHGCDASBELPRVSPRLAMHPPVSAAMPTRWAPGTQCTTCEHT 60
QY 61 RPKGELAFRKGDVVTTLTACENKSWYRVKHTSGOGLLAAGALRERALSADPKLSLM 120
Db 61 RPKGELAFRKGDVVTTLTACENKSWYRVKHTSGOGLLAAGALRERALSADPKLSLM 120
QY 121 PMFHGKISGOEAVQOOLQPPEDGLFLVRESARHPGDVYLCVSGRDVTHRVLRHDDGLTI 180
Db 121 PMFHGKISGOEAVQOOLQPPEDGLFLVRESARHPGDVYLCVSGRDVTHRVLRHDDGLTI 180
QY 181 DEAVFPCNLMDMVHEHYSKDKGAICTKLVPKPKHGTSAEBELARAGWLINTLQHTLTGAQ 240
Db 181 DEAVFPCNLMDMVHEHYSKDKGAICTKLVPKPKHGTSAEBELARAGWLINTLQHTLTGAQ 240
QY 241 IGEGEFQAVLQGEYLGQKVAVKIKCVTAQAFLEDTAVMTKQHEHVLRLGVIIHQGL 300
Db 241 IGEGEFQAVLQGEYLGQKVAVKIKCVTAQAFLEDTAVMTKQHEHVLRLGVIIHQGL 300
QY 301 YIWEHVSXGNLVNPLRTGRALVNTAQLQPSLHVAEGMEYLESKKLVHRDLAANNITV 360
Db 301 YIWEHVSXGNLVNPLRTGRALVNTAQLQPSLHVAEGMEYLESKKLVHRDLAANNITV 360
QY 361 SEDLVAKVSDFGIAAKERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
Db 361 SEDLVAKVSDFGIAAKERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
QY 421 GRAPYPKMSLKEVSEAVEKGYRMEPEGCGPVHVLMSCWAEAPARRPPFKLAELKAR 480
Db 421 GRAPYPKMSLKEVSEAVEKGYRMEPEGCGPVHVLMSCWAEAPARRPPFKLAELKAR 480
QY 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
Db 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 2
US-08-232-545-2
Sequence 2, Application US/08232545
GENERAL INFORMATION:
APPLICANT: Ulitich, Axel
APPLICANT: Glushitzky, Mikhail
TITLE OF INVENTION: Sures, Iman G.
TITLE OF INVENTION: No. 65065781 Megakaryocytic Protein Tyrosine
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-050
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 507 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-232-545-2

Query Match 100.0%; Score 2671; DB 4; Length 507;
Best Local Similarity 100.0%; Pred. No. 3,1e-219;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGGSLVSWRAFHGCDASBELPRVSPRLAMHPPVSAAMPTRWAPGTQCTTCEHT 60
Db 1 MAGGSLVSWRAFHGCDASBELPRVSPRLAMHPPVSAAMPTRWAPGTQCTTCEHT 60
QY 61 RPKGELAFRKGDVVTTLTACENKSWYRVKHTSGOGLLAAGALRERALSADPKLSLM 120
Db 61 RPKGELAFRKGDVVTTLTACENKSWYRVKHTSGOGLLAAGALRERALSADPKLSLM 120
QY 121 PMFHGKISGOEAVQOOLQPPEDGLFLVRESARHPGDVYLCVSGRDVTHRVLRHDDGLTI 180
Db 121 PMFHGKISGOEAVQOOLQPPEDGLFLVRESARHPGDVYLCVSGRDVTHRVLRHDDGLTI 180
QY 181 DEAVFPCNLMDMVHEHYSKDKGAICTKLVPKPKHGTSAEBELARAGWLINTLQHTLTGAQ 240
Db 181 DEAVFPCNLMDMVHEHYSKDKGAICTKLVPKPKHGTSAEBELARAGWLINTLQHTLTGAQ 240
QY 241 IGEGEFQAVLQGEYLGQKVAVKIKCVTAQAFLEDTAVMTKQHEHVLRLGVIIHQGL 300
Db 241 IGEGEFQAVLQGEYLGQKVAVKIKCVTAQAFLEDTAVMTKQHEHVLRLGVIIHQGL 300
QY 301 YIWEHVSXGNLVNPLRTGRALVNTAQLQPSLHVAEGMEYLESKKLVHRDLAANNITV 360
Db 301 YIWEHVSXGNLVNPLRTGRALVNTAQLQPSLHVAEGMEYLESKKLVHRDLAANNITV 360
QY 361 SEDLVAKVSDFGIAAKERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
Db 361 SEDLVAKVSDFGIAAKERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
QY 421 GRAPYPKMSLKEVSEAVEKGYRMEPEGCGPVHVLMSCWAEAPARRPPFKLAELKAR 480
Db 421 GRAPYPKMSLKEVSEAVEKGYRMEPEGCGPVHVLMSCWAEAPARRPPFKLAELKAR 480
QY 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
Db 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 3
PCT-US95-05008-2
Sequence 2, Application PC/TUS9505008
GENERAL INFORMATION:
APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States of America
APPLICANT: Wissenschaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: Munchen 80539
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: Patentin Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: PCT/US95/05008
;
; FILING DATE: 24-APR-1995
;
; CLASSIFICATION:
;
; PRIORITY APPLICATION DATA:
;
; APPLICATION NUMBER: US 08/232,545
;
; FILING DATE: 22-APR-1994
;
; CLASSIFICATION:
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Coruzzi, Laura A.
;
; REGISTRATION NUMBER: 30,742
;
; REFERENCE/DOCKET NUMBER: 7693-074
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (212) 790-9090
;
; TELEFAX: (212) 869-9741
;
; TELEX: 66141 PENNIE
;
; INFORMATION FOR SEQ ID NO: 2:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 507 amino acids
;
; TYPE: amino acid
;
; STRANDEDNESS: unknown
;
; TOPOLOGY: unknown
;
; MOLECULE TYPE: protein
;
; PCT-US95-05008-2
;
Query Match 100.0%; Score 2671; DB 5; Length 507;
Best Local Similarity 100.0%; Pred. No. 3.1e-219;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVSAMPTRRMAPGTQCTTKCENT 60
DB 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVSAMPTRRMAPGTQCTTKCENT 60
QY 61 RPKPGLAFRKGDVVTTLIACENKSWYRKHTSGQEGLLAAGALREBELSADPKLSIM 120
DB 61 RPKPGLAFRKGDVVTTLIACENKSWYRKHTSGQEGLLAAGALREBELSADPKLSIM 120
QY 121 PMFHGKISGQAVVQLOPPEDGLFLVRESARHPGDVYLCVSGRDVIHYRVLRDGHLLTI 180
DB 121 PMFHGKISGQAVVQLOPPEDGLFLVRESARHPGDVYLCVSGRDVIHYRVLRDGHLLTI 180
QY 181 DEAVFPCNLMDVMEVHSKDKGAICTKLVPRPKRGKTSABEELARAGMLNLQHLTLGAQ 240
DB 181 DEAVFPCNLMDVMEVHSKDKGAICTKLVPRPKRGKTSABEELARAGMLNLQHLTLGAQ 240
QY 241 IGEFGFAGVLOGEYLGQKVAVKNTKCDVTAQAFIDETAVMTKQEHNLVRLGLVILHQL 300
DB 241 IGEFGFAGVLOGEYLGQKVAVKNTKCDVTAQAFIDETAVMTKQEHNLVRLGLVILHQL 300
QY 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQPSLHVAGMEYLSKLVHRDLAARNILV 360
DB 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQPSLHVAGMEYLSKLVHRDLAARNILV 360
QY 361 SEDIVAAKVSDFGLAAERKGLDSSRLPYKMTAPEALKHGKFTSKSDVMSFGVILMEVPSY 420
DB 361 SEDIVAAKVSDFGLAAERKGLDSSRLPYKMTAPEALKHGKFTSKSDVMSFGVILMEVPSY 420
QY 421 GRAPPKMSLKEVSAVEKGYRMEPPEGCPGVHVLMSQWAEAPARRPPFKLAEKLAR 480
DB 421 GRAPPKMSLKEVSAVEKGYRMEPPEGCPGVHVLMSQWAEAPARRPPFKLAEKLAR 480
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; RESULT 4
; US-08-604-989A-5
; Sequence 5, Application US/08604989A
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;
; Patent No. 5834208
;
; GENERAL INFORMATION:
;
; APPLICANT: Sakano, S.
;
; TITLE OF INVENTION: No. 5834208e1 Tyrosine Kinase
;
; NUMBER OF SEQUENCES: 11
;
; CORRESPONDENCE ADDRESS:
;
; ADDRESSEE: Pennie & Edmonds LLP
;
; STREET: 1155 Avenue of the Americas
;
; CITY: New York
;
; STATE: New York
;
; COUNTRY: USA
;
; ZIP: 10036-2711
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Diskette
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; COMPUTER: IBM Compatible
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; OPERATING SYSTEM: DOS
;
; SOFTWARE: FastSeq Version 2.0
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/604,989A
;
; FILING DATE: February 23, 1996
;
; CLASSIFICATION: 435
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Charles E. Miller
;
; REGISTRATION NUMBER: 24,575
;
; REFERENCE/DOCKET NUMBER: 1920-026
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (212) 790-9090
;
; TELEFAX: (212) 869-8864/9741
;
; TELEX: 66141 PENNIE
;
; INFORMATION FOR SEQ ID NO: 5:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 507 amino acids
;
; TYPE: amino acid
;
; TOPOLOGY: linear
;
; MOLECULE TYPE: protein
;
; ORIGINAL SOURCE:
;
; ORGANISM: human
;
; STRAIN: UT-7
;
; US-08-604-989A-5
;
Query Match 99.7%; Score 2664; DB 2; Length 507;
Best Local Similarity 99.8%; Pred. No. 1.2e-218;
Matches 506; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVSAMPTRRMAPGTQCTTKCENT 60
DB 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVSAMPTRRMAPGTQCTTKCENT 60
QY 61 RPKPGLAFRKGDVVTTLIACENKSWYRKHTSGQEGLLAAGALREBELSADPKLSIM 120
DB 61 RPKPGLAFRKGDVVTTLIACENKSWYRKHTSGQEGLLAAGALREBELSADPKLSIM 120
QY 121 PMFHGKISGQAVVQLOPPEDGLFLVRESARHPGDVYLCVSGRDVIHYRVLRDGHLLTI 180
DB 121 PMFHGKISGQAVVQLOPPEDGLFLVRESARHPGDVYLCVSGRDVIHYRVLRDGHLLTI 180
QY 181 DEAVFPCNLMDVMEVHSKDKGAICTKLVPRPKRGKTSABEELARAGMLNLQHLTLGAQ 240
DB 181 DEAVFPCNLMDVMEVHSKDKGAICTKLVPRPKRGKTSABEELARAGMLNLQHLTLGAQ 240
QY 241 IGEFGFAGVLOGEYLGQKVAVKNTKCDVTAQAFIDETAVMTKQEHNLVRLGLVILHQL 300
DB 241 IGEFGFAGVLOGEYLGQKVAVKNTKCDVTAQAFIDETAVMTKQEHNLVRLGLVILHQL 300
QY 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQPSLHVAGMEYLSKLVHRDLAARNILV 360
DB 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQPSLHVAGMEYLSKLVHRDLAARNILV 360
QY 361 SEDIVAAKVSDFGLAAERKGLDSSRLPYKMTAPEALKHGKFTSKSDVMSFGVILMEVPSY 420
DB 361 SEDIVAAKVSDFGLAAERKGLDSSRLPYKMTAPEALKHGKFTSKSDVMSFGVILMEVPSY 420
QY 421 GRAPPKMSLKEVSAVEKGYRMEPPEGCPGVHVLMSQWAEAPARRPPFKLAEKLAR 480
DB 421 GRAPPKMSLKEVSAVEKGYRMEPPEGCPGVHVLMSQWAEAPARRPPFKLAEKLAR 480
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Db	QY	Db
421	ELRSAGAPASVSGQDADGTSPPROEP	480
GRAPYPMSTAKVSEAVEKGYINNEPEGCGFVHLMSSCWEAEFARRPPRKLAETLAR	507	
481	ELRSAGAPASVSGQDADGTSPPROEP	
481	ELRSAGAPASVSGQDADGTSPPROEP	507

RESULT 5

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US-09-315-928-2
/ Sequence 2, Application US/09315928
/ Patent No. 6368796
/ GENERAL INFORMATION:
/ APPLICANT: Avraham, Hava
/ APPLICANT: GROOMAN, UECOME E.
/ TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
/ TITLE OF INVENTION: BREAST CANCER
/ FILE REFERENCE: NEDH97-01PAZ
/ CURRENT APPLICATION NUMBER: US/09/315,928
/ CURRENT FILING DATE: 1999-05-20
/ PRIOR APPLICATION NUMBER: US 08/876,882
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: US 60/035,228
/ PRIOR FILING DATE: 1997-01-08
/ NUMBER OF SEQ. ID NOS.: 5
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ. ID NO. 2
/ LENGTH: 527
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-09-315-928-2

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US-09-315-928-2

Query Match	91.5%;	Score 2445;	DB 4;	Length 527;
Best Local Similarity	93.5%;	Pred. No. 5.8e-200;		
Matches 472;	Conservative	1;	Mismatches 18;	Indels 14; Gaps 2

QY	1	MAGRGSLVWMRAFFHGDSNEELPRVSPPEFLAAMPPEVYSARMPMPRRAAPCTOCITCEHT	60
Dd	1	MAGRGSLVWMRAFFHGDSNEELPRVSPPEFLAAMPPEVYSARMPMPRRAAPCTOCITCEHT	60
QY	61	RKPPGGLAARKDDVVTITLACGKNSKSWRVKXHTTGGGGLLAAGALRERELASDPTLSLM	120
Dd	61	RKPPGGLAARKDDVVTITLACGKNSKSWRVKXHTTGGGGLLAAGALRERELASDPTLSLM	120

QY	DB	QY
121 PFHFHGISQGEVVOLOPEEGFLFLYFESAAHPEDYVLCSFGRDVYTHRVLHROSHLTI 180		
121 PFHFHGISQGEVVOLOPEEGFLFLYFESAAHPEDYVLCSFGRDVYTHRVLHROSHLTI 180		
181 DEAVFPCULMDMTEHSYDKGALITCKLVPRPKRKGTSAAEELARAGWLINTQHTLTGAQ 240		
181 DEAVFPCULMDMTEHSYDKGALITCKLVPRPKRKGTSAAEELARAGWLINTQHTLTGAQ 240		

[illegible]

QY	361 SEDVAVAKSDGCLAKARKCIGDSSRLPVKVTAPALPKHGFYSKVMSPGYLMEVESY	420
QY	361 SEDVAVAKSDGCLAKARKCIGDSSRLPVKVTAPALPKHGFYSKVMSPGYLMEVESY	420
Ddb	361 SEDVAVAKSDGCLAKARKCIGDSSRLPVKVTAPALPKHGFYSKVMSPGYLMEVESY	419
QY	421 GRAPYPKQSLKEVEAEKGYRMPBEGCPGVHVLMSCMEAEPARRPPFFKLAKLAR	480
QY	420 GRAPYPKQSLKEVEAEKGYRMPBEGCGPQVHVLMSCMEAEPARGHP-----	469

QY 481 EIRSGAPASVSGQDADGSTSPRSQ 505
 || | | | |
 Db 470 ---SANNPRSWPGSYAVQVPQPPSQ 491

RESULT 6
US-08-604-989A-4
; Sequence 4, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano S

NUM
COR

CORRESPONDENCE ADDRESS:
ADDRESS: Pennie & Edmonds LLP
STREET: 115 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fastseq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/604,989A
FILING DATE: February 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Charles E. Miller
REGISTRATION NUMBER: 24,576
REFERENCE/DOCKET NUMBER: 1920-026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-0864/9741
FAX: (212) 869-0864

TELEFAX: (212) 869-
TEL BY: 66141 DENT

```

; INFORMATION FOR SEQ ID NO: 4:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 466 amino acids
;
; TYPE: amino acid
;

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MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: human

US-08-604-989A-4

Query Match	91.5%	Score 244;	DB 2;	Length 466;
Best Local Similarity	100.0%	Pred. NO;	5.9e-200;	
Matches 466;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	Db	QY	Db
42	1	102	61
MPRRNAPGQCITCKEHRPKRGEALFRGADVTLTIAECENKSMYVKNHTSQEGLLA	MPRRNAPGQCITCKEHRPKRGEALFRGADVTLTIAECENKSMYVKNHTSQEGLLA	AGLRREALSDAPKSLMPWFHGKISGCAAVOOLPPEGLFLVRESAHPGDIYULCVS	AGLRREALSDAPKSLMPWFHGKISGCAAVOOLPPEGLFLVRESAHPGDIYULCVS
101	60	161	120

QY	162	FGGDVHYHVLRHDDGSLTIDEAFPCFNIDMVMHYSKDKAICPKLYRPRKHGTSKAE	221
	121	FGGDVHYHVLRHDDGSLTIDEAFPCFNIDMVMHYSKDKAICTKLYRPRKHGTSKAE	180
Db			
QY	222	ELARAGMLNLQHLTLGAQIGSESPGAVLOGETLGOIKVAVKNTKCDVTAQFLDETVMT	281
	181	ELARAGMLNLQHLTLGAQIGSESPGAVLOGETLGOIKVAVKNTKCDVTAQFLDETVMT	240
Db			

QY	282	KQKHENLYVLLGVYLIHQGIYIWEAHVSKNLYNFLESTRGALVNTQLOLPSTLVAAGME	341.
Dd	241	KQKHENLYVLLGVYLIHQGIYIWEAHVSKNLYNFLESTRGALVNTQLOLPSTLVAAGME	300
QY	342	YIESKCLVHRDLAARVILIYSEDLVAAYSPGGLAKARKGIDSSRLPKYTWAPALTKGKF	401
Dd	301	YIESKCLVHRDLAARVILIYSEDLVAAYSPGGLAKARKGIDSSRLPKYTWAPALTKGKF	360

QY 402 ISKSDVMSFGVLLMEVFSYGRAPYPOMSLKEVSEAVEBKGYRMBEPGCGPVHVHLMSSCW 461

Db 361 TSKDWSFGVLLMEVSYGAPFIPKMSLKEVSEAVEKGYMEPEGCGPGVHTLMSG 420

QY 462 EAEARARPPFRKLAELKARELSAGAPASVSGODADGTSRSGEP 507

Db 421 EAEARARPPFRKLAELKARELSAGAPASVSGODADGTSRSGEP 466

RESULT 7

US-08-876-882-2

Sequence 2, Application US/08876882

Patent No. 5981201

GENERAL INFORMATION:

APPLICANT: Avraham, Hava

APPLICANT: Groopman, Jerome E.

TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT

TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hamilton, Brook, Smith & Reynolds P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: USA

ZIP: 02173-4799

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/876,882

FILING DATE: 16-JUN-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/035,228

FILING DATE: 08-JAN-1997

ATTORNEY/AGENT INFORMATION:

NAME: Doreen, Hogle M

REGISTRATION NUMBER: 36,361

REFERENCE/DOCKET NUMBER: NEDH97-01pa

TELECOMMUNICATION INFORMATION:

TELEPHONE: 781-861-6240

TELEFAX: 781-861-9540

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 528 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

FRAGMENT TYPE: internal

US-08-876-882-2

Query Match 91.1%; Score 2434.5; DB 2; Length 528;

Best Local Similarity 93.3%; Pred. No. 4.5e-199;

Matches 472; Conservative 1; Mismatches 18; Indels 15; Gaps 3;

QY 1 MAGEGLSVWRARFGCDASBELPRVSPRFLRAMHPPEVSAMPRRMAFGTQCTKCEHT 60

Db 1 MAGEGLSVWRARFGCDASBELPRVSPRFLRAMHPPEVSAMPRRMAFGTQCTKCEHT 60

QY 61 RPKRGELAFRGDVTTLTLEACENKSWRVKHTSGOGLLAAGALRREALSADPKLST 119

Db 61 RPKRGELAFRGDVTTLTLEACENKSWRVKHTSGOGLLAAGALRREALSADPKLST 120

QY 120 MPWFGKISGOEAVOOLQPPEDGFLVRESARHPGDVYLCVSFGRDVHYRVLHRDGHILT 179

Db 120 MPWFGKISGOEAVOOLQPPEDGFLVRESARHPGDVYLCVSFGRDVHYRVLHRDGHILT 180

QY 180 IDEAVFCNLMDMVHYHYSKDKGALCTKLVRPKRKHGTSABEELARAGWLNLQHLTLGA 239

Db 180 IDEAVFCNLMDMVHYHYSKDKGALCTKLVRPKRKHGTSABEELARAGWLNLQHLTLGA 240

QY 240 QIGGEFGAVLQGEYLGQKVAVKIKCDVTAQAFIDETA VMTKMCHENLVLLGVILHOG 299

Db 241 QIGGEFGAVLQGEYLGQKVAVKIKCDVTAQAFIDETA VMTKMCHENLVLLGVILHOG 300

QY 300 LYIYMEHVSQGNLVNPLRTGRALVNTAQLLOPSLHVAEGMEYIESKLVYRDIAANITL 359

Db 301 LYIYMEHVSQGNLVNPLRTGRALVNTAQLLOPSLHVAEGMEYIESKLVYRDIAANITL 360

QY 360 VSEDVAKVSDPGLAKERKGLDSSRLPVKMTAPALKHGFTSKSDVMSFGVLLMEVFS 419

Db 361 VSEDVAKVSDPGLAKERKGLDSSRLPVKMTAPALKHG-FTSKSDVMSFGVLLMEVFS 419

QY 420 YGRAPYKMSLKEVSEAVEKGYMEPEGCGPGVHTLMSGWEAEAPARRPPFRKLAELKLA 479

Db 420 YGRAPYKMSLKEVSEAVEKGYMEPEGCGPGVHTLMSGWEAEAPARRPPFRKLAELKLA 479

QY 480 RELRSAGAPASVSGODADGTSRSGEP 505

Db 471 ----SANNPRSWPSYAVQVPOPPSQ 492

RESULT 8

US-09-741-154-4

Sequence 4, Application US/09741154

Patent No. 6437110

GENERAL INFORMATION:

APPLICANT: BEASLEY, Ellen M. et al

TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: C1001061

CURRENT APPLICATION NUMBER: US/09/741,154

CURRENT FILING DATE: 2000-12-21

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 4

LENGTH: 386

TYPE: PRT

ORGANISM: Human

US-09-741-154-4

Query Match 75.3%; Score 2012; DB 4; Length 386;

Best Local Similarity 100.0%; Pred. No. 2.8e-163;

Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WFGKISGOEAVOOLQPPEDGFLVRESARHPGDVYLCVSFGRDVHYRVLHRDGHILTID 181

Db 1 WFGKISGOEAVOOLQPPEDGFLVRESARHPGDVYLCVSFGRDVHYRVLHRDGHILTID 60

QY 182 EAVFPCNLMDMVHYHYSKDKGALCTKLVRPKRKHGTSABEELARAGWLNLQHLTLGAQI 241

Db 61 EAVFPCNLMDMVHYHYSKDKGALCTKLVRPKRKHGTSABEELARAGWLNLQHLTLGAQI 120

QY 242 GEGEFGAVLQGEYLGQKVAVKIKCDVTAQAFIDETA VMTKMCHENLVLLGVILHOG 301

Db 242 GEGEFGAVLQGEYLGQKVAVKIKCDVTAQAFIDETA VMTKMCHENLVLLGVILHOG 301

QY 302 IYMEHVSQGNLVNPLRTGRALVNTAQLLOPSLHVAEGMEYIESKLVYRDIAANITL 361

Db 181 IYMEHVSQGNLVNPLRTGRALVNTAQLLOPSLHVAEGMEYIESKLVYRDIAANITL 240

QY 362 EDLVAKVSDPGLAKERKGLDSSRLPVKMTAPALKHGFTSKSDVMSFGVLLMEVFSYG 421

Db 241 EDLVAKVSDPGLAKERKGLDSSRLPVKMTAPALKHGFTSKSDVMSFGVLLMEVFSYG 300

QY 422 RAVPYKMSLKEVSEAVEKGYMEPEGCGPGVHTLMSGWEAEAPARRPPFRKLAELKLA 481

Db 301 RAVPYKMSLKEVSEAVEKGYMEPEGCGPGVHTLMSGWEAEAPARRPPFRKLAELKLA 360

QY 482 LRSAGAPASVSGODADGTSRSGEP 507

Db 361 LRSAGAPASVSGODADGTSRSGEP 386

RESULT 9
 US-09-741-154-2
 ; Sequence 2, Application US/09741154
 ; Patent No. 6437110
 ; GENERAL INFORMATION:
 ; APPLICANT: BEASLEY, Ellen M. et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: C1001061
 ; CURRENT APPLICATION NUMBER: US/09/741,154
 ; CURRENT FILING DATE: 2000-12-21
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 415
 ; TYPE: PRT
 ; ORGANISM: Human
 US-09-741-154-2

Query Match 75.3%; Score 2012; DB 4; Length 415;
 Best Local Similarity 100.0%; Pred. No. 3.1e-163; Indels 0; Gaps 0;
 Matches 386; Conservative 0; Mismatches 0;

QY 122 MFKGISGQAVVQQLPPEDEGLFLVESARHPGDYVLGVSGRDVIHYRVLHRDGLITD 181
 DB 30 MFKGISGQAVVQQLPPEDEGLFLVESARHPGDYVLGVSGRDVIHYRVLHRDGLITD 89
 QY 182 EAFPGNLMDMVHYSKDKGALCTKLVPRKKGTSABEELARAGWLNLQHLTGAOI 241
 DB 90 EAFPGNLMDMVHYSKDKGALCTKLVPRKKGTSABEELARAGWLNLQHLTGAOI 149
 QY 242 GESEFGAVLQGEYLGQKVAVKIKCDVTQAQFLDETAVTQKHENLVRLGVIIHQGLY 301
 DB 150 GESEFGAVLQGEYLGQKVAVKIKCDVTQAQFLDETAVTQKHENLVRLGVIIHQGLY 209
 QY 302 IYMEHYSKGNLVNPLTRGRALVNTAQLQFSLHVAEGMEYLSKKLVHRLAARNIVS 361
 DB 210 IYMEHYSKGNLVNPLTRGRALVNTAQLQFSLHVAEGMEYLSKKLVHRLAARNIVS 269
 QY 362 EDVVAVSDPGLAKARKGLDSSRLPVKWTAPBALKHGFTSKSDVMSGVLMEVFSYG 421
 DB 270 EDVVAVSDPGLAKARKGLDSSRLPVKWTAPBALKHGFTSKSDVMSGVLMEVFSYG 329
 QY 422 RAPPYPMGLKEVSEAVEKGYRMEPPGCGPVHVMSSCWEAEPARPPFRKLAEKLARE 481
 DB 330 RAPPYPMGLKEVSEAVEKGYRMEPPGCGPVHVMSSCWEAEPARPPFRKLAEKLARE 389
 QY 482 IRSAGAPASVSGQDADGSTSPRSQEP 507
 DB 390 IRSAGAPASVSGQDADGSTSPRSQEP 415

RESULT 10
 US-08-604-989A-3
 ; Sequence 3, Application US/08604989A
 ; Patent No. 5834208
 ; GENERAL INFORMATION:
 ; APPLICANT: Sakano, S.
 ; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds LLP
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/604,989A
 ; FILING DATE: February 23, 1996
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Charles E. Miller
 ; REGISTRATION NUMBER: 24,576
 ; REFERENCE/DOCKET NUMBER: 1920-026
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-8864/9741
 ; TELEX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO. 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 246 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; ORIGINAL SOURCE:
 ; ORGANISM: human
 ; STRAIN: UT-7
 US-08-604-989A-3

Query Match 47.5%; Score 1269; DB 2; Length 246;
 Best Local Similarity 100.0%; Pred. No. 2.8e-100; Indels 0; Gaps 0;
 Matches 246; Conservative 0; Mismatches 0;

QY 223 QHLTGAQIGGEFGAVLQGEYLGQKVAVKIKCDVTQAQFLDETAVTQKHENLVRL 292
 DB 1 QHLTGAQIGGEFGAVLQGEYLGQKVAVKIKCDVTQAQFLDETAVTQKHENLVRL 60
 QY 293 GVIHQGLYIYMEHYSKGNLVNPLTRGRALVNTAQLQFSLHVAEGMEYLSKKLVHRL 352
 DB 61 GVIHQGLYIYMEHYSKGNLVNPLTRGRALVNTAQLQFSLHVAEGMEYLSKKLVHRL 120
 QY 353 LAARNIVSDDLVAKVSDPGLAKARKGLDSSRLPVKWTAPBALKHGFTSKSDVMSFGV 412
 DB 121 LAARNIVSDDLVAKVSDPGLAKARKGLDSSRLPVKWTAPBALKHGFTSKSDVMSFGV 180
 QY 413 LIMEVFSYGRAPPYPMGLKEVSEAVEKGYRMEPPGCGPVHVMSSCWEAEPARPPFR 472
 DB 181 LIMEVFSYGRAPPYPMGLKEVSEAVEKGYRMEPPGCGPVHVMSSCWEAEPARPPFR 240
 QY 473 KLAEXL 478
 DB 241 KLAEXL 246

RESULT 11
 US-08-426-509A-7
 ; Sequence 7, Application US/08426509A
 ; Patent No. 6326469
 ; GENERAL INFORMATION:
 ; APPLICANT: Ulrich, Axel
 ; APPLICANT: Gishizsky, Mikhail
 ; APPLICANT: Sures, Irman G.
 ; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
 ; TITLE OF INVENTION: TYROSINE KINASES
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: NY
 ; COUNTRY: USA
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq Version 2.0
 ; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 450 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: No. 6326469e
US-08-426-509A-7

Query Match 46.6%; Score 1245.5; DB 4; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

47 WAPGTQCTTCENTHPRKGBELAFRKGDVVTLLACENKSWYRVKHTSGOGLLAAGLR 106
8 WPSGTETCIKYNFHGTAEODLPFCGVDLTITVAATKDPNWKAKNKV-GREGIIPANYVQ 66
107 EREALSADPKSLMPWFHKGKISGGEAVOOLQPPEDGFLVRESARHPRDYLCVSFGRDV 166
67 KREGVKAGTGLSLMPWFHKGKITREQAERLLYPETGLFVRESINYGDDYLCVSCDGK 126
167 IHYRVLHRDGHLLTIDEAVFFCNLMQVMEHYSKDKGALCTKLVRPKRKGTSABEELARA 226
127 EHYRIMWASKLSIDEVYFENIMQVMEHYSKDKGALCTKLVRPKRKGTSABEELARA 186
227 GMLNLQHLTLGAQIGSGEGAVLQGEYLGOKVAVNKIKCDVTAQAFLEDAVMTKMOHE 286
187 GMLNLQHLTLGAQIGSGEGAVLQGEYLGOKVAVNKIKCDVTAQAFLEDAVMTKMOHE 246
287 IHYRVLHRDGHLLTIDEAVFFCNLMQVMEHYSKDKGALCTKLVRPKRKGTSABEELARA 344
247 NLVQLLGVIVBEKGLVITEYMAKSLVDYLRSGSVLGDDCLKFSLDVCEAMEYLE 306
345 SKKLVRDLAARNLIVSEDLVAKVSDFGAKAERKGLDSRLPYKWTAPALRKKGKFTSK 404
307 GNNFVHRDLAARNLIVSEDLVAKVSDFGAKAERKGLDSRLPYKWTAPALRKKGKFTSK 366
405 SDVMSFGVLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPPGCGPFVHVMSSCEAE 464
367 SDVMSFGVLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPPGCGPFVHVMSSCEAE 426
465 PARPPFRKLAEK 478
427 AAMPSPFLQIREQL 440

RESULT 12
US-08-232-545-7
Sequence 7, Application US/08232545
Patent No. 6506578
GENERAL INFORMATION:
APPLICANT: Ulrich, Axel
APPLICANT: Gishizsky, Mikhail
APPLICANT: Sures, Iman G
TITLE OF INVENTION: No. 6506578e1 Megakaryocytic Protein Tyrosine
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-050
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 450 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-232-545-7

Query Match 46.6%; Score 1245.5; DB 4; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

47 WAPGTQCTTCENTHPRKGBELAFRKGDVVTLLACENKSWYRVKHTSGOGLLAAGLR 106
8 WPSGTETCIKYNFHGTAEODLPFCGVDLTITVAATKDPNWKAKNKV-GREGIIPANYVQ 66
107 EREALSADPKSLMPWFHKGKISGGEAVOOLQPPEDGFLVRESARHPRDYLCVSFGRDV 166
67 KREGVKAGTGLSLMPWFHKGKITREQAERLLYPETGLFVRESINYGDDYLCVSCDGK 126
167 IHYRVLHRDGHLLTIDEAVFFCNLMQVMEHYSKDKGALCTKLVRPKRKGTSABEELARA 226
127 EHYRIMWASKLSIDEVYFENIMQVMEHYSKDKGALCTKLVRPKRKGTSABEELARA 186
227 GMLNLQHLTLGAQIGSGEGAVLQGEYLGOKVAVNKIKCDVTAQAFLEDAVMTKMOHE 286
187 GMLNLQHLTLGAQIGSGEGAVLQGEYLGOKVAVNKIKCDVTAQAFLEDAVMTKMOHE 246
287 IHYRVLHRDGHLLTIDEAVFFCNLMQVMEHYSKDKGALCTKLVRPKRKGTSABEELARA 344
247 NLVQLLGVIVBEKGLVITEYMAKSLVDYLRSGSVLGDDCLKFSLDVCEAMEYLE 306
345 SKKLVRDLAARNLIVSEDLVAKVSDFGAKAERKGLDSRLPYKWTAPALRKKGKFTSK 404
307 GNNFVHRDLAARNLIVSEDLVAKVSDFGAKAERKGLDSRLPYKWTAPALRKKGKFTSK 366
405 SDVMSFGVLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPPGCGPFVHVMSSCEAE 464
367 SDVMSFGVLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPPGCGPFVHVMSSCEAE 426
465 PARPPFRKLAEK 478
427 AAMPSPFLQIREQL 440

RESULT 13
US-09-470-881-5
Sequence 5, Application US/09470881
Patent No. 6685938
GENERAL INFORMATION:

RESULT 15

US-08-701-191A-35
 ; Sequence 35, Application US/08701191A
 ; Patent No. 5942428
 ; GENERAL INFORMATION:
 ; APPLICANT: Moca, Mohammadi, Joseph Schlessinger,
 ; APPLICANT: and Stevan R. Hubbard
 ; TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN
 ; TITLE OF INVENTION: OF NON-INSULIN RECEPTOR TYROSINE KINASE
 ; NUMBER OF SEQUENCES: 41
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: Fastseq for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/701,191A
 ; FILING DATE: August 21, 1996
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Waiburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 227/088
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELE: 67-3510
 ; INFORMATION FOR SEQ ID NO: 35:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 269 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-701-191A-35

Query Match 29.8%; Score 797; DB 2; Length 269;

Best Local Similarity 58.7%; Pred. No. 4.9e-60;
 Matches 152; Conservative 46; Mismatches 59; Indels 2; Gaps 1;

QY 222 ELARAGMLINLOHLLTGAQIGEGEFGAVLQGEVYLGOKVAVNINIKDVTQAFLDETAVMT 281
 DB 1 EFRSGMALNNKELKLTQITGKGFQDVMGLDYRKNKVAVCTIKNDATAQAFLEASAVMT 60
 QY 282 KMOHENLVRLIGVILHQ--GLYIVMEHVSKGNLVNFLTGRGALVNTAQLLOFSILHVAEG 339
 DB 61 QLRHSNIVQLLGVIVVEKGLYIVTEYMAKSLVDYLSRGRSVLGGDCILKFSLDVCEA 120
 QY 340 MEYDESKLVHRDLAARNILVSEDLVAKVSPDGLAKAKERKGLDSSRLPYKWTAPBALKHG 399
 DB 121 MEYDEGNVFNVRDLAARNVLVSEDNVAKVSPDGLTKKASSTQDTGKLPVKTAPBALREK 180
 QY 400 KFTSKDVWSPFVLIWEVFSYGRAPYPMSLKEVSEAVEKGYRMEPEGCPGYPVHLMSS 459
 DB 181 KFTSKDVWSPFVLIWEVFSYGRAPYPMSLKEVSEAVEKGYRMEPEGCPGYPVHLMSS 459
 QY 460 CWEAPPARPPFRKLAETL 478
 DB 241 CWHLDAAARPSFLOLRBOL 259

Search completed: May 24, 2004, 08:19:21
 Job time : 24 secs